

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Bantval Jayant Baliga

Serial No.: To Be Assigned

Filed: Concurrently Herewith

For: VERTICAL MOSFETS HAVING TRENCH-BASED GATE ELECTRODES WITHIN  
DEEPER TRENCH-BASED SOURCE ELECTRODES AND METHODS OF FORMING  
SAME

Date: July 17, 2003

Mail Stop Patent Application

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

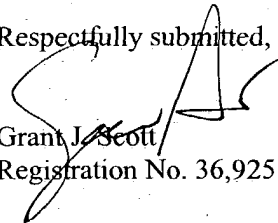
**INFORMATION DISCLOSURE STATEMENT**

Sir:

Attached is a list of documents on form PTO-1449. Items 1-77 listed on the PTO-1449 were cited in parent application Serial No. 09/995,019, filed November 26, 2001. Since the benefit of this application is claimed under 35 U.S.C. §120, no copies need to be furnished in accordance with 37 C.F.R. §1.98(d); however, copies will be furnished on request. It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.97 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to our Deposit Account No. 50-0220.

Respectfully submitted,

  
Grant J. Scott  
Registration No. 36,925



20792

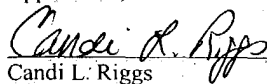
PATENT TRADEMARK OFFICE

**CERTIFICATE OF EXPRESS MAILING**

"Express Mail" mailing label number: EV 318421320 US

Date of Deposit: July 17, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Candi L. Riggs

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 9236-SDV		Serial No. To Be Assigned	
<b>LIST OF DOCUMENTS CITED BY APPLICANT</b> (Use several sheets if necessary)				Applicants: Bantval Jayant Baliga			
				Filing Date: Concurrently Herewith			GAU:
<b>U.S. PATENT DOCUMENTS</b>							
Examiner Initials		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	1	5,998,833	12/1999	Baliga	257	329	
	2	5,973,360	10/1999	Tihanyi	257	330	
	3	5,918,137	06/29/99	Ng et al.	438	454	
	4	5,885,878	03/23/99	Fujishima et al.	438	302	
	5	5,844,275	12/01/98	Kitamura et al.	257	335	
	6	5,767,547	06/16/98	Merchant et al.	257	347	
	7	5,753,938	05/19/98	Thapar et al.	257	77	
	8	5,744,994	04/28/98	Williams	327	374	
	9	5,742,076	04/21/98	Sridevan et al.	257	77	
	10	5,731,627	03/24/98	Seok	257	630	
	11	5,710,455	01/20/98	Bhatnagar et al.	257	472	
	12	5,710,451	01/20/98	Merchant	257	347	
	13	5,688,725	11/18/97	Darwish et al.	438	270	
	14	5,679,966	10/21/97	Baliga et al.	257	139	
	15	5,674,766	10/07/97	Darwish et al.	437	40	
	16	5,672,526	09/30/97	Kawamura	437	41R	
	17	5,661,322	08/26/97	Williams et al.	257	331	
	18	5,648,671	07/15/97	Merchant	257	347	
	19	5,640,034	06/17/97	Malhi	257	341	
	20	5,637,898	06/10/97	Baliga	257	330	
	21	5,612,567	03/18/97	Baliga	257	475	
	22	5,578,851	11/26/96	Hshieh et al.	257	333	
	23	5,578,508	11/26/96	Baba et al.	437	35	
	24	5,545,908	08/1996	Tokura et al.	257	341	
	25	5,445,978	08/29/95	Yilmaz	437	41	
	26	5,424,231	06/13/95	Yang	437	40	
	27	5,412,241	05/02/95	Merchant	257	342	
	28	5,396,085	03/07/95	Baliga	257	77	

Examiner: \_\_\_\_\_

Date Considered: \_\_\_\_\_

Examiner: \_\_\_\_\_

Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through

This form with next communication to

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 9236-5DV		Serial No. To Be Assigned	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				Applicants:			
				Bantval Jayant Baliga			
				Filing Date: Concurrently Herewith		GAU:	
	29	5,391,908	02/21/95	Walker et al.	257	409	
	30	5,365,102	11/15/94	Mehrotra et al.	257	475	
	31	5,362,979	11/08/94	Merchant	257	340	
	32	5,350,932	09/27/94	Malhi	257	67	
	33	5,338,961	08/16/94	Lidow et al.	257	342	
	34	5,323,040	06/21/94	Baliga	257	332	
	35	5,316,959	05/31/94	Kwan et al.	437	40	
	36	5,300,448	04/05/94	Merchant et al.	437	41	
	37	5,298,442	03/29/94	Buluzea et al.	437	40	
	38	5,283,201	02/01/94	Tsang et al.	437	31	
	39	5,246,870	09/21/93	Merchant	437	21	
	40	5,233,215	08/03/93	Baliga	257	490	
	41	5,229,633	07/20/93	Fisher et al.	257	339	
	42	5,216,807	06/08/93	Yoshizawa et al.	29	876	
	43	5,213,986	05/25/93	Pinker et al.	437	20	
	44	5,132,753	07/21/92	Chang et al.	357	23.4	
	45	5,126,807	06/30/92	Baba et al.	357	23.4	
	46	5,113,235	05/12/92	Arnold et al.	357	41	
	47	5,111,253	05/05/92	Korman et al.	257	471	
	48	5,016,066	05/1991	Takahashi	357	23.4	
	49	4,941,026	07/10/90	Temple	357	23.4	
	50	4,904,614	02/27/90	Fisher et al.	437	41	
	51	4,705,759	11/10/87	Lidow et al.	437	29	
	52	4,646,115	02/24/90	Shannon et al.	357	15	
	53	4,593,302	06/03/86	Lidow et al.	357	23.4	
	54	4,590,509	05/20/86	Esser et al.	357	53	
	55	4,419,811	12/13/83	Rice	29	571	
	56	4,376,286	03/08/83	Lidow et al.	357	23	
	57	3,849,789	11/19/74	Cordes et al.	357	15	

Examiner:

Date Considered:

Examiner:

Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 9236-5DV		Serial No. To Be Assigned		
<b>LIST OF DOCUMENTS CITED BY APPLICANT</b> (Use several sheets if necessary)				Applicants: Bantval Jayant Baliga				
				Filing Date: Concurrently Herewith			GAU:	
	58	6,388,286	5/14/02	Baliga				
	59	6,452,230	9/17/02	Boden, Jr.				
	60	5,756,386	5/26/98	Blanchard				
	61	5,962,893	10/1999	Omura et al.	257	329		
	62	6,091,108	07/2000	Harris et al.	257	339		
	63	5,177,572	01/1993	Murakami, Yoshinori	257	260		
	64	5,623,152	04/1997	Majumdar et al.	257	330		
	65	5,831,288	11/1998	Singh et al.	257	77		
<b>FOREIGN PATENT DOCUMENTS</b>								
		Document Number	Date	Country	Class	Subclass	Translation Yes / No	
	66	0 580 452 A1	01/26/94	EPO				
	67	63-296282	02/12/88	Japan			X (Abstract)	
	68	WO 97/43789	11/20/97	PCT				
	69	WO 99/56311	11/04/99	PCT				
	70	0 726 602 A2	08-14-1996	EP				
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	71	International Search Report, PCT/US99/24539, August 30, 2000						
	72	Merchant et al., "Dependence of Breakdown Voltage on Drift Length and Buried Oxide Thickness in SOI RESURF LDMOS Transistors," 5 <sup>th</sup> International Symposium on Power Semiconductor Devices and ICS, 1993 IEEE, pp. 124-128.						
	73	Merchant et al., "Realization of High Breakdown Voltage (> 700 V) in This SOI Devices," Phillips Laboratories, North American Philips Corporation, 1991 IEEE, pp. 31-35						
	74	Sunkavalli et al., "Step Drift Doping Profile for High Voltage DI Lateral Power Devices," Proceedings 1995 IEEE International SOI Conference, October 1995, pp. 139-140						
	75	U.S. Application No. 09/167,298, Filed October 6, 1998, now abandoned						
	76	Yamaguchi, Ken, "Field-Dependent Mobility Model for Two-Dimensional Numerical Analysis of MOSFET's," IEEE Transactions on Electron Devices, Vol. ED-26, No. 7, July 1979, pp. 1068-1074.						
	77	International Search Report, PCT/US02/37187, April 11, 2003						

Examiner: \_\_\_\_\_

Date Considered: \_\_\_\_\_

Examiner: \_\_\_\_\_

 Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through  
 this form with next communication to